

Micro MINI E0C6005

4-bit Single Chip Microcomputer

Preliminary

- E0C6200B Core CPU
- Low Voltage and Low Power
- Built-in LCD Driver
- Built-in R/F Converter (2ch.)

■ DESCRIPTION

Micro MINI "E0C6005" is a single chip microcomputer for battery-driven products with 7-segment LCD display. It achieves low cost performance, and is suitable for a product added some feature instead of standard IC. It consists that Seiko Epson's original core CPU E0C6200B, LCD driver (20 segments × 4 commons), 80 words RAM, 1.5K words ROM, R/F converter, clock timer and so on.

■ FEATURES

- CMOS LSI 4-bit parallel processing
- Clock 32.768kHz (X'tal or CR oscillation by mask option)
- Instruction set 100 instructions
- ROM capacity 1.5K × 12 bits
- RAM capacity 80 × 4 bits
- I/O port I: 4 bits (with pull-down resistor selectable by mask option)
O: 4 bits
I/O: 4 bits
- Supply voltage detector (SVD) No support
- Clock timer 1ch.
- LCD driver 20 segments × 4/3/2 commons
- R/F converter 2ch.
- Interrupt External : Key interrupt 1 line
Internal : Clock timer interrupt 1 line
- Operation voltage 1.2 to 2.0V
1.8 to 3.5V
- Power consumption 1.0μA (32.768kHz X'tal, 3.0V, HALT)
2.5μA (32.768kHz X'tal, 3.0V, RUN)
- Package Die form (pad pitch = 130μm) or QFP6-60pin

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